

**DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
Cedar Rapids Airport Traffic Control Tower
2525 Wright Brothers Blvd.
Cedar Rapids, Iowa 52404**

ISSUED: February 20, 2003

EFFECTIVE: April 15, 2003

CEDAR RAPIDS TOWER LETTER TO AIRMEN NO. 03-001

SUBJECT: Microburst and Wind Shear Detection Weather System

CANCELLATION: April 15, 2005

The Low Level Wind Shear Alert System (LLWAS) utilized by Cedar Rapids Air Traffic Control Tower to provide controllers and pilots with hazardous gust front wind shear information is being replaced. The replacement system, called Weather Systems Processor (WSP), integrates Airport Surveillance Radar with existent wind sensing equipment to provide weather data. WSP will improve flight safety by warning controllers and pilots of hazardous microburst and wind shear events near runways at The Eastern Iowa Airport. It will also improve operational efficiency by tracking storm motion and predicting arrival of gust fronts. With this information, controllers and pilots will have a more complete picture of current and future terminal area hazardous weather conditions, which may impact runway usage.

Norman Cain
Air Traffic Manager
Cedar Rapids Air Traffic Control Tower